

ABSTRACT OF THE DISCLOSURE

A system and method for satellite based controlled ALOHA is provided. The system and method configure VSATs so that they accept guidance from a centralized and/or distributed system controller to determine when, where, and/or on what portion of a satellite resource to attempt to access a channel. The system and method take advantage of traffic patterns to maximize efficiency by utilizing a centralized and/or distributed control to determine which VSATs are and are not currently active, and to allocate to a portion of the inbound channel to the active VSATs and a portion of the inbound channel to the inactive VSATs. In a distributed approach, each VSAT decides for itself whether it captures a certain part of the inbound resource or not. This decision can be made based on previous transmissions that went through the part of the inbound intended to be captured.